

Brefeldin A, Inhibits intracellular transport

Catalog	Unit
TBI1071-5MG	5 mg
TBI1071-25MG	25 mg

Product Details

Formal Name: 6-[[2-[[4-(2,4-Dichlorophenyl)-5-(5-methyl-1H-imidazol-2-yl)-2-pyrimidinyl]amino]ethyl]amino]-3-pyridinecarbonitrile

Molecular Formula: C₁₆H₂₄O₄

Formula Weight: 280.37

CAS Number: 20350-15-6

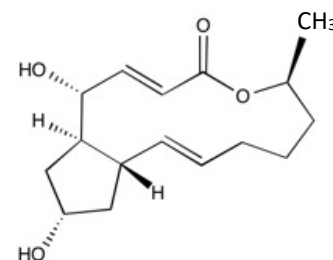
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (100 mg/ml) or in Ethanol (25 mg/ml, warm).

Storage: -20°C

Stability: ≥ 2 years.



Applications

Inhibits intracellular transport

Functions

Specific inhibitor of protein translocation from endoplasmic reticulum to Golgi. Blocks secretion and prevents the assembly of non-clathrin-coated buds on Golgi cisternae. Inhibits guanine nucleotide-exchange proteins BIG1 and BIG2, activators of ADP-ribosylation factors. Induces apoptosis independently of p53. Activates sphingomyelin metabolism. Triggers Bip/Akt-regulated autophagy in colorectal cancer cells.

Application Procedures

First dissolved in DMSO (100 mg/ml) or in Ethanol (25 mg/ml, warm), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

For research use only.